

INSTITUTUL DE MATEMATICA “SIMION STOILOW” AL ACADEMIEI ROMANE

Conferința lunară

Maps with values into manifolds

Petru Mironescu

(Univ. Lyon 1 and IMAR)

Conferința va avea loc **Miercuri 6 decembrie 2017, ora 13:00**
la sediul **IMAR**, amfiteatrul “Miron Nicolescu”, **parter**

Abstract: Phase transitions models describe “coexistence” in a variety of physical situations, the most simple one being the coexistence of different phases (states) of a single component. I will describe some second order phase transition models, in particular arising from superconductivity and nematics, and some of the mathematical questions raised by their analysis. I will also mention some related problems in geometry (minimal spheres, regularity of harmonic maps).